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APPLICATION NO.	1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,149	10/656,149 09/08/2003		Min-Fon Fan	FP9659	1365
52981	7590	08/22/2006		EXAMINER	
LEONG C			LOPEZ, CARLOS N		
PMB # 100 1867 YGNA	-	LLEY ROAD	ART UNIT	PAPER NUMBER	
WALNUT	CREEK,	CA 94598	1731		
				DATE MAILED: 08/22/2000	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/656,149	FAN, MIN-FON	FAN, MIN-FON				
	Office Action Summary	Examiner	Art Unit					
		Carlos Lopez	1731					
Period fo	The MAILING DATE of this communication or Reply	appears on the cover she	et with the correspondence a	address				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING resions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by seply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMM R 1.136(a). In no event, however, r n. eriod will apply and will expire SIX (6 tatute, cause the application to become	NUNICATION. may a reply be timely filed by MONTHS from the mailing date of this one ABANDONED (35 U.S.C. § 133).	· ,				
Status								
1)	Responsive to communication(s) filed on _							
′=	-	This action is non-final.						
3)	Since this application is in condition for allo	owance except for formal	matters, prosecution as to th	ne merits is				
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂	Claim(s) 1-3 is/are pending in the applicati	on.						
·	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
6)⊠	Claim(s) 1-3 is/are rejected.							
7)	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction are	nd/or election requiremen	t.					
Applicati	on Papers							
9)[The specification is objected to by the Exar	miner.						
10)⊠ The drawing(s) filed on <u>08 September 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	The oath or declaration is objected to by the	e Examiner. Note the atta	iched Office Action or form P	PTO-152.				
Priority u	nder 35 U.S.C. § 119							
12) 🔲 .	Acknowledgment is made of a claim for for	eign priority under 35 U.S	.C. § 119(a)-(d) or (f).					
a)[a) ☐ All b) ☐ Some * c) ☐ None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bu	, , , , , , , , , , , , , , , , , , , ,						
* S	ee the attached detailed Office action for a	list of the certified copies	not received.					
Attachmen		_						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948		view Summary (PTO-413) er No(s)/Mail Date					
3) 🔲 Inform	e of Dransperson's Patent Drawing Review (P10-946 nation Disclosure Statement(s) (PTO-1449 or PTO/SE · No(s)/Mail Date	3/08) 5) 🔲 Notic	e of Informal Patent Application (PTr:	FO-152)				

Application/Control Number: 10/656,149

Art Unit: 1731

DETAILED ACTION

Claim Objections

Claims 1-3 are objected to because of the following informalities: Typing error in step g, incorrectly referring to a step "d" when it should refer to the prior step "f". A similar sequential misspelling of the prior step is found in steps h-j. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In step "h" the phrase "the product of (e)" lacks antecedent basis, nor is there a recited step "e" the results in a product being formed.

In step I, the phrase "the product" makes it unclear which product is being referred because the prior recited steps result in a product being formed. Additionally, the word "nano size" as used in step I provides an unclear parameter of the titanium dioxide size. For example a titanium dioxide having a diameter of 1meter can be referred as being 1x10⁹ nanometers, hence it's a nano size.

Steps K and L are dangling steps that having no nexus the former recited steps in claim 1. The claimed positive active step of "spraying" and "treating" fail to note what is being sprayed or what is being treated.

Application/Control Number: 10/656,149 Page 3

Art Unit: 1731

In claim 2, it is unclear to which "raw material" I is being referred. Is it the raw material used in step "a" or after step "a"? Additionally, the term " high temperature " in claim 2 is a relative term which renders the claim indefinite. The term " high temperature " is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

In claim 3, the phrase "the extraction radiation rate" lacks antecedent basis

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references in TPO-892 have been cited to show the state of the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Lopez whose telephone number is 571.272.1193. The examiner can normally be reached on Mon.-Fri. 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571.272.1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/656,149

Art Unit: 1731

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Page 4

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